AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A prefilled medical syringe comprising:

a syringe barrel enclosing an inner space;

a syringe plunger disposed in the space and coupled to a first end of a plunger rod having an outer thread that is formed between the first end and a second end;

an end plug closing off a cannula end of the syringe barrel, the end plug having a through-channel closed off by a membrane;

a finger support disposed on an end of the syringe barrel opposite the end plug and having a through-opening for the plunger rod; and

a thread system that cooperates with the plunger rod and with the finger support, the thread system having a thread sleeve with an internal thread that cooperates with the outer thread on the plunger rod~~, the thread sleeve being detachably connected with the finger support and coupled with the plunger rod for common displacement into the inner space~~ such that rotation of the plunger rod into meshed engagement with the internal thread of the thread sleeve causes the plunger rod to be displaced and move toward the cannula.

2. (Previously Presented) The syringe of claim 1, wherein the thread sleeve is pressed into the base of the finger support.

3. (Previously Presented) The syringe of claim 1, wherein the thread sleeve is coupled with the finger support in a positively locking manner.

4. (Previously Presented) The syringe of claim 1, wherein there is provided a pin that can be brought into contact with the membrane.

5. (Previously Presented) The syringe of claim 1, wherein the thread system is configured as a separate part.

6. (Previously Presented) A prefilled medical syringe comprising:

a syringe barrel enclosing an inner space;

a syringe plunger disposed in the inner space;

a plunger rod having a first end coupled to the syringe plunger and a second end, the plunger rod including an outer thread formed on an outer surface of the plunger rod, the outer thread formed a distance from the first end;

an end plug closing off an end of the syringe barrel, the end plug having a through-channel closed off by a membrane;

a finger support coupled to an end of the syringe barrel opposite the end plug and having a through-opening for the plunger rod; and

a thread sleeve detachably coupled to the finger support and extending into the space, the thread sleeve having an inner thread that cooperates with the outer thread of the plunger rod, the plunger rod movable within the inner space to enable the outer

thread to engage the inner thread, whereby the engagement of the inner thread with the outer thread ruptures the membrane.

7. (Previously Presented) The syringe of Claim 6, wherein the plunger rod is axially displaced in the inner space to move the plunger towards the end plug in order to engage the inner thread with the outer thread.

8. (Previously Presented) The syringe of Claim 7, wherein the movement of the plunger rod within the inner space towards the end cap after the membrane ruptures detaches the thread sleeve from the finger support.

9. (Previously Presented) The syringe of Claim 6, wherein the thread sleeve is pressed into the base of the finger support.

10. (Previously Presented) The syringe of Claim 6, wherein the engagement of the inner thread and outer thread increases the pressure in the inner space.

11. (Previously Presented) The syringe of Claim 10, wherein the increase in pressure causes the membrane to bulge and contact a pin that ruptures the membrane.

12. (Previously Presented) The syringe of Claim 1, wherein the outer thread is formed a distance from the first end.

13. (New) A prefilled medical syringe comprising:

a syringe barrel enclosing an inner space;

a syringe plunger disposed in the space and coupled to a first end of a plunger rod, the plunger rod having an outer thread that is formed between the first end and a second end and a non-threaded portion disposed between the outer thread and the first end;

an end plug closing off a cannula end of the syringe barrel, the end plug having a through-channel closed off by a membrane;

a finger support disposed on an end of the syringe barrel opposite the end plug and having a through-opening for the plunger rod; and

a thread system that cooperates with the plunger rod and with the finger support, the thread system having a thread sleeve with an inner thread that cooperates with the outer thread on the plunger rod to move the plunger rod relative to the syringe barrel.

14. (New) The syringe of claim 13, wherein the thread sleeve is attached to the finger support prior to the outer thread of the plunger rod meshing with the inner thread of the thread sleeve.

15. (New) The syringe of claim 14, wherein movement of the plunger rod and the thread sleeve relative to the syringe barrel causes the thread sleeve to be disconnected from the finger support.

16. (New) The syringe of claim 13, wherein the plunger rod and thread sleeve move relative to the syringe barrel when the outer thread of the plunger rod meshes with the inner thread of the thread sleeve.

17. (New) The syringe of claim 13, wherein the thread sleeve is pressed into the base of the finger support.

18. (New) The syringe of claim 13, wherein rotation of the plunger rod into meshed engagement with the inner thread of the thread sleeve causes the plunger rod to be displaced and move toward the cannula.

19. (New) The syringe of claim 13, further comprising a pin in selective engagement with the membrane.

20. (New) The syringe of claim 13, wherein the thread sleeve is operable to receive the non-threaded portion of the plunger rod prior to the outer thread of the plunger rod meshing with the inner thread of the thread sleeve.